



CEWELD ER 100 S-G Tig

TYPE Solid GTAW welding wire for high yield strength fine grain steels.

TOEPASSINGEN Crane building, jack ups, lifting, rigs, piping, platforms etc.

EIGENSCHAPPEN Extreme crack resistant alloy with high mechanical properties and excellent welding characteristics. High impact strength at sub zero temperatures down to -60 °C.

CLASSIFICATIE

AWS	A 5.28: ER 100S-G, A 5.28: ER 110S-G
EN ISO	16834-A: W 69 4 I1 Mn3Ni1CrMo
F-nr	6
FM	2

GESCHIKT VOOR

Reh < 690 MPa Iso 15608: 2.2 u 3.2 (460 < Reh ≤ 690(700) MPa)
 1.7147, 1.7149, 1.8914, 1.8915, 1.8917, 1.8927, 1.8928, 1.8930, 1.8931, 1.8932, 1.8734, 1.8974,
 S620Q, S620QL, S690Q, S690QL, S620QL1-S690QL1, 20MnCr65, 28CrMn4-3
 L480 - L550, X65, X80, X90, X100
 ASTM A 514 Gr. F, H, Q; A 709 Gr. 100 Type B, E, F, H, Q; A 709 Gr. HPS 100W
 Weldox 700, Dillimax 690, Hardox, Naxtra 63, Naxtra 70, Optim 700 mc plus, Weldox 500, Hardox,
 Domex 460 MC, Domex 500 MC, Domex 550 MC, Domex 600 MC, Domex 650 MC, Domex 700 MC,
 Hardox 400, Strenx 700; XAR 400, Dillidur 400, Oceanfit 100, Oceanfit 690, alform plate 620 M, 700 M,
 aldur 620 Q, 620 QL, 620 QL1, aldur 700 Q, 700 QL, 700 QL1, Salzgitter S700MC, Ympress Steel E690
 TM, S700MC, Armstrong Ultra 650MC, 650 MCt, 700 MC...

GOEDKEURINGEN CE

LASPOSITIES



**TYPICAL CHEMICAL
ANALYSIS OF THE FILLER
METAL (%)**

C	Si	Mn	Cr	Ni	Mo	V
0.08	0.5	1.6	0.3	1.4	0.3	0.1

MECHANISCHE WAARDEN

Heat Treatment	R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V			Hardness
				-20°C	-40°C	-60°C	
As Welded	710	800	20	100	70	55	HRc

HERDROGEN Not required

GAS ACC. EN ISO 14175 I1



CEWELD ER 100 S-G Tig

ER 100 S-G TIG 1,6 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663417008

ER 100 S-G TIG 2,0 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663417015

ER 100 S-G TIG 2,4 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663417022

ER 100 S-G TIG 3,2 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663417039